

## Abstract

Optical fiber coupling unit and optical waveguide arrangement, and method of producing an optical fiber coupling unit. The optical fiber coupling unit 1 has: an optical fiber 2, which has a fiber core 4 and a fiber cladding 6 surrounding the fiber core 4, and a sleeve 8, which is arranged on an end portion of the optical fiber 2 and terminates flush with the associated extreme end 14 of the optical fiber 2, so that on this extreme end 14 there is formed a continuous coupling face 16, with which the optical fiber coupling unit 1 can be placed against an optical waveguide component to establish an optical coupling. (Figure 3a)